

The Issue of Dissertation and Its Current State

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Seminar

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Content

- Introduction
- Aim of Dissertation
- Summary of the state of knowledge
- Analysis and interpretation
- Used methods – definition
- Current state of dissertation



Title

Visual language of controllers and communicators

Supervisor

Doc. Ing. arch. Jan Rajlich

Keywords

Visual communication, pictogram, information graphics, categorization, control panel.

Aim of Disseration

- Documentation of graphics on Milling Machines from the period 1965-90
- Categorization of graphic symbols
- Take account of historical and technical conditions of Graphics

Summary of the state of knowledge

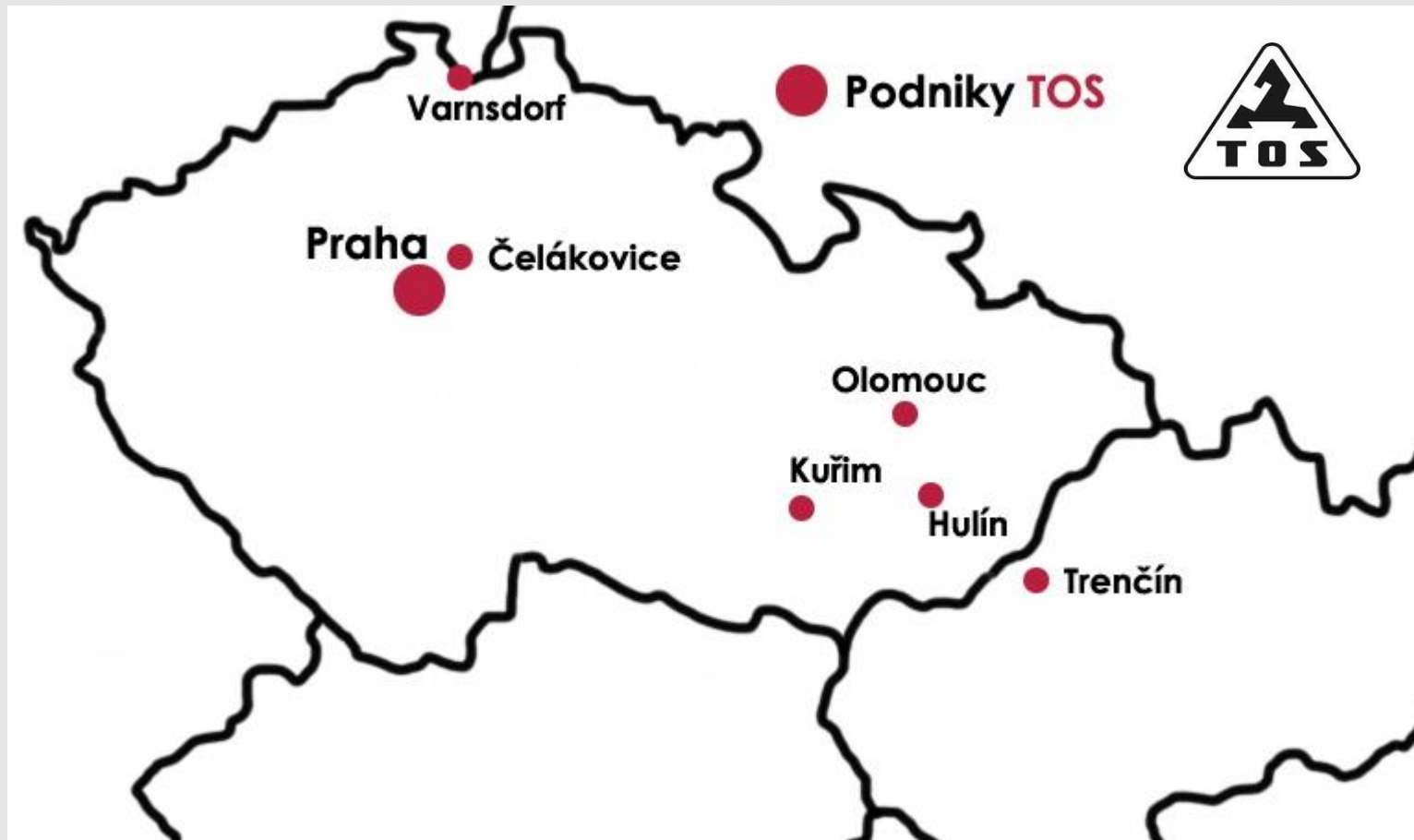
- Graphics on controllers and communicators of milling machines produced in TOS Factories in the period 1965-90 – not documented yet
- Development of these signs
- Graphic designers who participated in the creation of these graphical symbols
- More signs after automatization (1977)

Time period 1965-90

- In this period were founded design institutions that dealt with industrial design in Czechoslovakia.
- **VÚOSO** – Výzkumný ústav obráběcích strojů (since 1947)
- **RVKV** - Rada výtvarné kultury výroby (1965-72)
- **IPD** – Institut průmyslového designu (1972-90)

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TOS Factories, Czech and Slovak Republic



Analysis and interpretation

TOS Factories

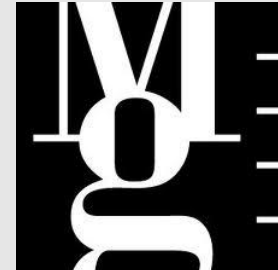
- TOS Čelákovice, Hulín, Praha Hostivař, Kuřim, Varnsdorf, Olomouc, Trenčín
- Photo documentation of physical machines
- TOS archive materials



Analysis and interpretation

■ Documents in Museums and Archives

- National Technical Museum in Prague
- Technical Museum in Brno
- Moravian Gallery
- Moravian Library



Analysis and interpretation

Journals

- *Czechoslovak Industrial Design (CID)*, 1965-72.
- KIKOVÁ, J. *Průmyslový design - odborný časopis pro celostátní rozvoj průmyslového designu*. Praha : Institut průmyslového designu. 1977-90. 02893-0784.106.

Books

- RABAN, J. *Czechoslovak Form: Arts, Crafts and Industrial Design*. Orbis. 30 s. 1971. 1-0668.979
- LAMAROVÁ, M. *Průmyslový design, stroje, nástroje, průmyslové výrobky*. Odeon. 71 s. 1985. 1-0887.681



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

Analysis and interpretation

- TOS documents
- Photos of physical machines



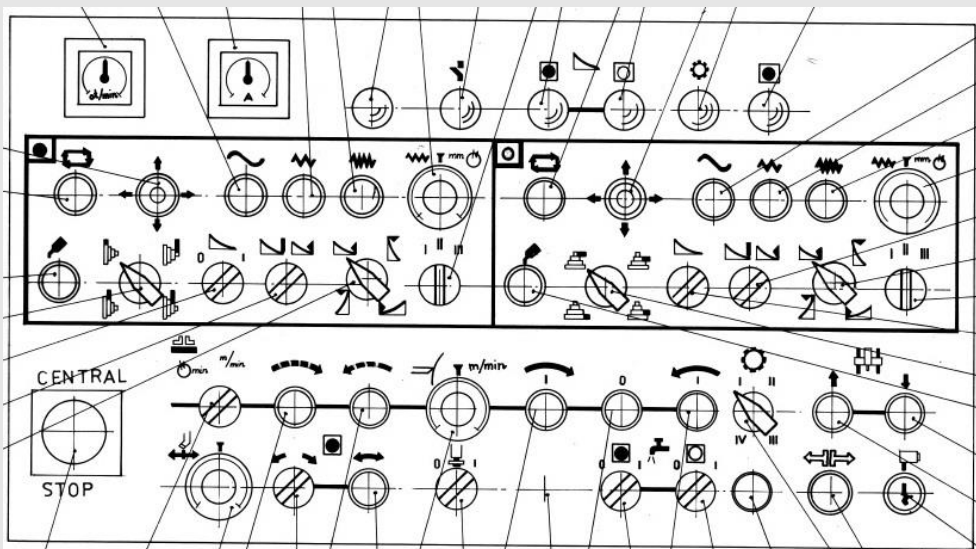
Analysis and interpretation

A 21 - Volič funkcí (druh práce) má 4 polohy označené symboly:

- a)  Šikmé frézování v rovině určené polohou přepínače A 22. Směr šikmého frézování řídí se knoflíkem E 7.
- b)  Normální ruční řízení stroje pro práce vrtací, vyvrtávací a frézovací, najíždění a stavění souřadnic.
- c)  Řezání závitů závitníkem

bližší viz stať
řezání závitů

■ Documentation of panel WD 130, 1972. TOS.



■ Documentation of panel SKJ 20, 1988. TOS Hulín.

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Main question

How was development of operational graphics of control panels for milling machines influenced in years 1965-1990?

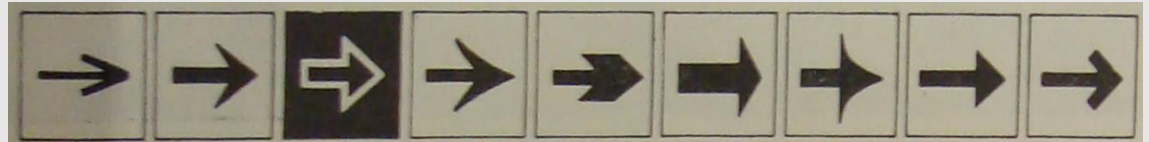
Hypothesis

It is expected that for years 1965-1990 there were graphical set of signs that were used uniformly for milling machines in manufacturing companies TOS.



Used methods

Classification theory



Aspects of classification

- Empirical - classification according to similarities
- Rationalist - classification by logical division
- Historical - classification based on historical development
- Pragmatic - critical classification of the political and cultural base

- SZOSTAK, R. *Classifying science: Phenomena, data, theory, method, practice*. Vol. 7. Kluwer Academic Pub, 2004.
- HJORLAND, B. "Core classification theory: a reply to Szostak", *Journal of Documentation*, 2008, Vol. 64 Iss: 3, pp.333-342.
- DA FONTOURA, L., MARCONDES, R. "Shape analysis and classification: Theory and practice." 2001.

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Used methods

Taxonomy

Historically chronological

Geographical

Aesthetical

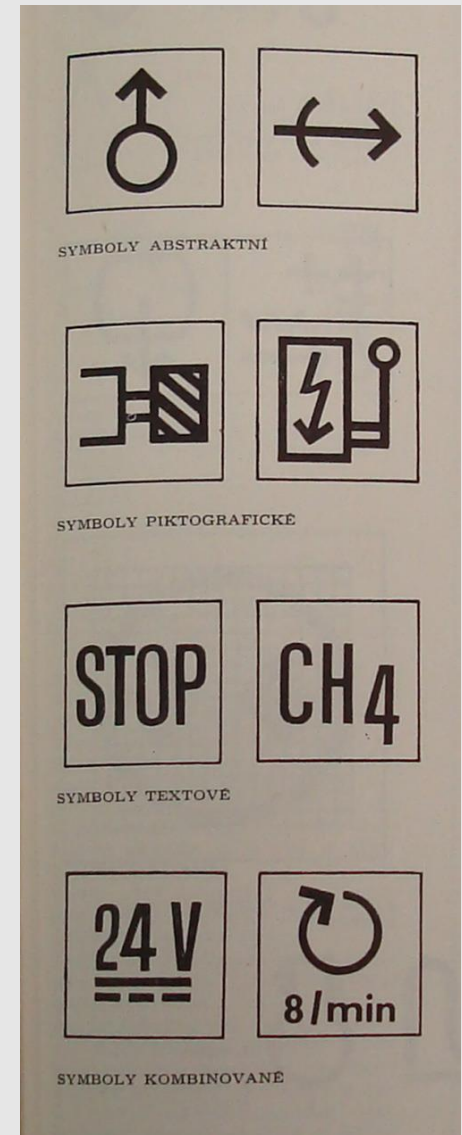
Functional

■ PAVLOVSKÝ, P. Taxonomie umění.

Supplemental methods

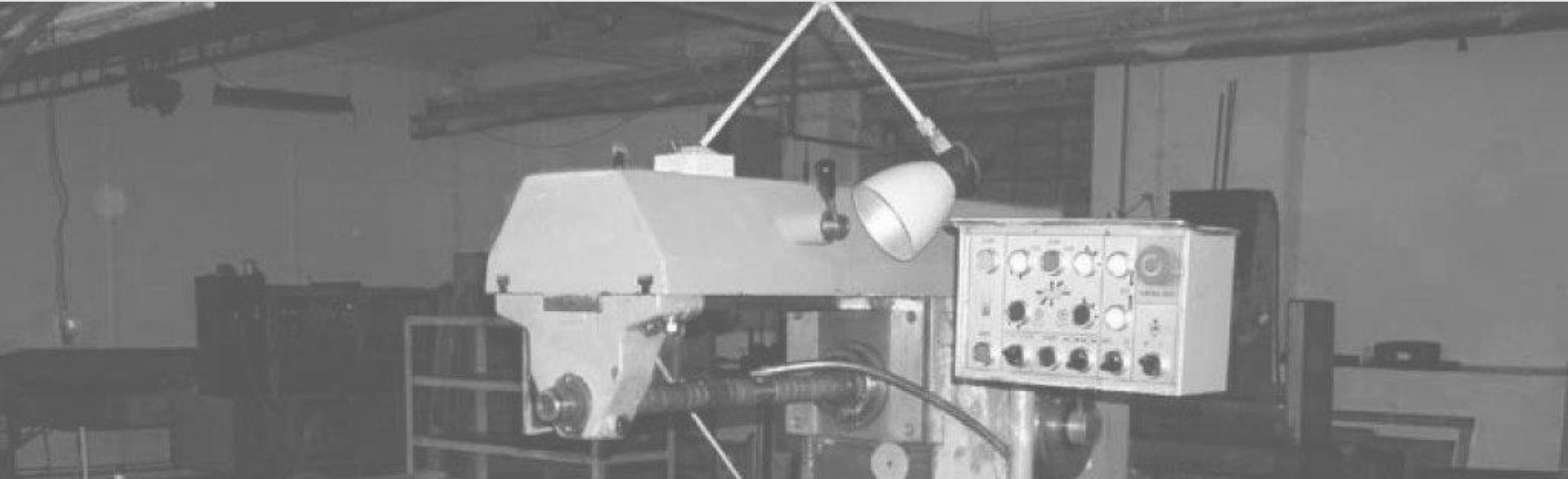
Historical method

Interviews



Current state of dissertation

- Aim of Dissertation
- Defining and method of solution
- Summary of the state of knowledge
- Analysis and interpretation
- Completion of backgrounds
- Method application



Thank you for your attention

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